

18:1 TAP (DOTAP)

1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)

890890C-25mg

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Molecular Weight	698.542
Chemical Formula	C ₄₂ H ₈₀ NO ₄ Cl
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6361CJB174
Avanti Lot Number	890890C-25MG-B-174

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot Rf: consistent with structure	All Pass
FAME (GC/FID)	NLT 99% 18:1 (AUC)	100% (AUC)
HPLC-ELSD	NLT 99% Purity NMT 1% Impurities Retention Time Matches Standard	100% Purity None Detected Matches Standard
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M-Cl] ⁻ = 663.112 ± 1 amu	[M-Cl] ⁻ = 662.8 amu

Approved By: *Melissa Liles*

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